Index

Volume 30, 1999

ARTICLES

ADLER, JILL. The Dilemma of Transparency: Seeing and Seeing Through Talk in the Mathematics Classroom. January 1999, 47–64.

BATTISTA, MICHAEL T. Fifth Graders' Enumeration of Cubes in 3D Arrays: Conceptual Progress in an Inquiry-Based Classroom. July 1999, 417–448.

BENNETT, TOM. See Gearhart, Maryl.

BRENNER, MARY E. Cross-National Comparison of Representational Competence. November 1999, 541–557.

BRIGHT, GEORGE W. See Vacc, Nancy Nesbitt.

CARR, MARTHA. Gender Differences in First-Grade Mathematics Strategy Use: Parent and Teacher Contributions. January 1999, 20–46.

CASE, ROBBIE. See Moss, Joan.

CHING, CYNTHIA CARTER. See Gearhart, Maryl.

CLEMENTS, DOUGLAS H. Young Children's Concepts of Shape. March 1999, 192–212.

De CORTE, ERIK. See Verschaffel, Lieven.

FALL, RANDY. See Gearhart, Maryl.

FRAIVILLIG, JUDITH L. Advancing Children's Mathematical Thinking in *Everyday Mathematics* Classrooms. March 1999, 148–170.

FULLER, DIANA. See Carr, Martha.

FUSON, KAREN C. See Fraivillig, Judith L.

GEARHART, MARYL. Opportunities to Learn Fractions in Elementary Mathematics Classrooms. May 1999, 286–315.

HANNIBAL, MARY ANNE ZEITLER. See Clements, Douglas H.

HERMAN, SALLY. See Brenner, Mary E.

HERSHKOWITZ, RINA. See Schwarz, Baruch B.

HIEBERT, JAMES. Relationships Between Research and the NCTM Standards. January 1999, 3–19.

HO, HSIU-ZU. See Brenner, Mary E.

JESSUP, DONNA L. See Carr, Martha.

JONES, GRAHAM A. Students' Probabilistic Thinking in Instruction. November 1999, 487–519.

LANGRALL, CYNTHIA W. See Jones, Graham A.

MacGREGOR, MOLLIE. An Exploration of Aspects of Language Proficiency and Algeba Learning. July 1999, 449–467.

MA, XIN. A Meta-Analysis of the Relationship Between Anxiety Toward Mathematics and Achievement in Mathematics. November 1999, 520–540.

MEWBORN, DENISE S. Reflective Thinking Among Preservice Elementary Mathematics Teachers. May 1999, 316–341.

MIDDLETON, JAMES A. Motivation for Achievement in Mathematics: Findings, Generalizations, and Criticisms of the Research. January 1999, 65–88.

MOGILL, A. TIMOTHY. See Jones, Graham A.

MOSS, JOAN. Developing Children's Understanding of the Rational Numbers: A New Model and an Experimental Curriculum. March 1999, 122–147.

MURPHY, LAUREN A. See Fraivillig, Judith L.

NASIR, NA'ILAH. See Gearhart, Maryl.

PRICE, ELIZABETH. See MacGregor, Mollie.

RHINE, STEVEN. See Gearhart, Maryl.

SARAMA, JULIE. See Clements, Douglas H.

SAXE, GEOFFREY B. See Gearhart, Maryl.

SCHIFTER, DEBORAH. Relationship Between Research and the NCTM Standards: An Introduction. January 1999, 2.

Index

Volume 30, 1999

ARTICLES

ADLER, JILL. The Dilemma of Transparency: Seeing and Seeing Through Talk in the Mathematics Classroom. January 1999, 47–64.

BATTISTA, MICHAEL T. Fifth Graders' Enumeration of Cubes in 3D Arrays: Conceptual Progress in an Inquiry-Based Classroom. July 1999, 417–448.

BENNETT, TOM. See Gearhart, Maryl.

BRENNER, MARY E. Cross-National Comparison of Representational Competence. November 1999, 541–557.

BRIGHT, GEORGE W. See Vacc, Nancy Nesbitt.

CARR, MARTHA. Gender Differences in First-Grade Mathematics Strategy Use: Parent and Teacher Contributions. January 1999, 20–46.

CASE, ROBBIE. See Moss, Joan.

CHING, CYNTHIA CARTER. See Gearhart, Maryl.

CLEMENTS, DOUGLAS H. Young Children's Concepts of Shape. March 1999, 192–212.

De CORTE, ERIK. See Verschaffel, Lieven.

FALL, RANDY. See Gearhart, Maryl.

FRAIVILLIG, JUDITH L. Advancing Children's Mathematical Thinking in *Everyday Mathematics* Classrooms. March 1999, 148–170.

FULLER, DIANA. See Carr, Martha.

FUSON, KAREN C. See Fraivillig, Judith L.

GEARHART, MARYL. Opportunities to Learn Fractions in Elementary Mathematics Classrooms. May 1999, 286–315.

HANNIBAL, MARY ANNE ZEITLER. See Clements, Douglas H.

HERMAN, SALLY. See Brenner, Mary E.

HERSHKOWITZ, RINA. See Schwarz, Baruch B.

HIEBERT, JAMES. Relationships Between Research and the NCTM Standards. January 1999, 3–19.

HO, HSIU-ZU. See Brenner, Mary E.

JESSUP, DONNA L. See Carr, Martha.

JONES, GRAHAM A. Students' Probabilistic Thinking in Instruction. November 1999, 487–519.

LANGRALL, CYNTHIA W. See Jones, Graham A.

MacGREGOR, MOLLIE. An Exploration of Aspects of Language Proficiency and Algeba Learning. July 1999, 449–467.

MA, XIN. A Meta-Analysis of the Relationship Between Anxiety Toward Mathematics and Achievement in Mathematics. November 1999, 520–540.

MEWBORN, DENISE S. Reflective Thinking Among Preservice Elementary Mathematics Teachers. May 1999, 316–341.

MIDDLETON, JAMES A. Motivation for Achievement in Mathematics: Findings, Generalizations, and Criticisms of the Research. January 1999, 65–88.

MOGILL, A. TIMOTHY. See Jones, Graham A.

MOSS, JOAN. Developing Children's Understanding of the Rational Numbers: A New Model and an Experimental Curriculum. March 1999, 122–147.

MURPHY, LAUREN A. See Fraivillig, Judith L.

NASIR, NA'ILAH. See Gearhart, Maryl.

PRICE, ELIZABETH. See MacGregor, Mollie.

RHINE, STEVEN. See Gearhart, Maryl.

SARAMA, JULIE. See Clements, Douglas H.

SAXE, GEOFFREY B. See Gearhart, Maryl.

SCHIFTER, DEBORAH. Relationship Between Research and the NCTM Standards: An Introduction. January 1999, 2.

SCHLACKMAN, JONAH. See Gearhart, Maryl.
SCHWARZ, BARUCH B. Prototypes: Brakes or Levers in Learning the Function Concept? The Role of Computer Tools. July 1999, 362–389.
SELTZER, MICHAEL. See Gearhart, Maryl.
SIMON, MARTIN A. Explicating the Teacher's Perspective From the Researchers' Perspectives: Generating Accounts of Mathematics Teachers' Practice. May 1999, 252–264.
SLOAN, TINE F. See Gearhart, Maryl.
SPANIAS, PHOTINI A. See Middleton, James A.
SWAMINATHAN, SUDHA. See Clements, Douglas H.
THORNTON, CAROL A. See Jones, Graham A.
TZUR, RON. An Integrated Study of Children's Construction of Improper Fractions and the Teacher's Role in Promoting That Learning. July 1999, 390–416.
TZUR, RON. See Simon, Martin A.
VACC, NANCY NESBITT. Elementary Preservice Teachers' Changing Beliefs and Instructional Use of Children's Mathematical Thinking. January 1999, 89–110.
VERSCHAFFEL, LIEVEN. Upper Elementary School Pupils' Difficulties in Modeling and Solving Nonstandard Additive Word Problems Involving Ordinal Numbers. May 1999, 265–285.
VIERSTRAETE, HEIDI. See Verschaffel, Lieven.
WOOD, TERRY. Creating a Context for Argument in Mathematics Class. March 1999, 171–191.
ZIMMER, JULES M. See Brenner, Mary E.

BRIEF REPORTS

BATANERO, CARMEN. The Meaning of Randomness for Secondary School Students. November 1999, 558–567.
FORGASZ, HELEN J. The Fennema-Sherman Mathematics as a Male Domain Scale Reexamined. May 1999, 342–348.
GARDNER, PAUL L. See Forgasz, Helen J.
HOLLAR, JEANNIE C. The Effects of a Graphing-Approach Intermediate Algebra Curriculum on Students' Understanding of Function. March 1999, 220–226.
LEDER, GILAH C. See Forgasz, Helen J.
MIDDLETON, JAMES A. Curricular Influences on the Motivational Beliefs and Practice of Two Middle School Mathematics Teachers: A Follow-Up Study. May 1999, 349–358.
NORWOOD, KAREN. See Hollar, Jeannie C.
SERRANO, LUIS. See Batanero, Carmen.
TIROSH, DINA. See Tsamir, Pessia.
TSAMIR, PESSIA. Consistency and Representations: The Case of Actual Infinity. March 1999, 213–219.

REVIEWS

BROWN, TONY. *Mathematics Education and Language: Interpreting Hermeneutics and Post-Structuralism.* (Brent Davis). January 1999, 111–116.
ENGLISH, LYN D. *Mathematical Reasoning: Analogies, Metaphors, and Images.* (Paul Kehle). July 1999, 468–474.
KILPATRICK, JEREMY. See Sierpinska, Anna.
MA, LIPING. Knowing and Teaching Elementary Mathematics: Teachers' Understanding of Fundamental Mathematics in China and the United States. (Roger Howe). November 1999, 579–589.
SIERPINSKA, ANNA. *Mathematics Education as a Research Domain: A Search for Identity.* (Karen D. King and Douglas B. McLeod). March 1999, 227–234.
SIERPINSKA, ANNA. *Mathematics Education as a Research Domain: A Search for Identity.* (Lynn Arthur Steen). March 1999, 235–241.

REVIEWERS

DAVIS, BRENT. Encircling Mathematical Knowing and Mathematics Knowledge. A Review of *Mathematics Education and Language: Interpreting Hermeneutics and Post-Structuralism*, by Tony Brown. January 1999, 111–116.

HOWE, ROGER. Knowing and Teaching Elementary Mathematics. A Review of *Knowing and Teaching Elementary Mathematics: Teachers' Understanding of Fundamental Mathematics in China and the United States*, by Liping Ma. November 1999, 579–589.

KEHLE, PAUL. Shifting Our Focus From Ends to Means: Mathematical Reasoning. A Review of *Mathematical Reasoning: Analogies, Metaphors, and Images*, edited by Lyn D. English. July 1999, 468–474.

KING, KAREN D. Coming of Age in Academe. A Review of *Mathematics Education as a Research Domain: A Search for Identity*, edited by Anna Sierpinska and Jeremy Kilpatrick. March 1999, 227–234.

McLEOD, DOUGLAS B. See King, Karen D.

STEEN, LYNN ARTHUR. Theories That Gyre and Gimble in the Wabe. A Review of *Mathematics Education as a Research Domain: A Search for Identity*, edited by Anna Sierpinska and Jeremy Kilpatrick. March 1999, 235–241.

CORRESPONDENT

SAPIRO, LELAND, November 1999, 596.

NOTES AND NOTICES

Acknowledgment	January 1999, 117.
Acknowledgment	November 1999, 598–599.
Editorial	(Judith T. Sowder) May 1999, 250–251.
Guest Editorial	(Diana Lambdin) November 1999, 482–483.
RAC Report	The Standards Impact Research Group: A Project to Study the Effects of NCTM's Updated Standards (Research Advisory Committee). November 1999, 484–486.
President's Address	Revitalizing and Refocusing Our Efforts (Glenda Lappan), November 1999, 568–578.